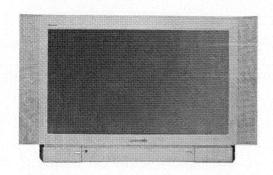
Order No: PCZ0510104C2

Service Manual



Colour Television

TX-32E50D TX-32PS12D TX-32PS12F **TX-32PS12P CP-830FP Chassis**

SPECIFICATIONS

Power Source:

220-240V a.c., 50Hz

Power Consumption:

94W

Stand-by Power

Consumption:

1,5W

Aerial Impedance:

75Ω unbalanced, Coaxial Type

Receiving System:

PAL-I, B/G, D/K, PAL-525/60 SECAM B/G, D/K, L,L' M.NTSC (AV only)

NTSC (AV only)

Receiving Channels:

VHF E2-E12 VHF A-H (ITALY) VHF H1-H2(ITALY) VHF R1-R2

VHF R3-R5 UHF E21-E69

VHF R6-R12 CATV (S01-S05)

CATV S1-S10 (M1-M10)

CATV S11-S20 (U1-U10)

CATV S21-S41 (HYPERBAND)

Intermediate Frequency:

Video/Audio

Video

38,9MHz, 33,9Mhz

Sound

33,4MHz (B/G), 33,16MHz (A2)

33,05MHz (NICAM B/G,D/K,L)

32,4MHz (D/K), 32,66MHz (CZ STEREO)

40,4MHz (L'), 39,75MHz (L'NICAM)

Colour

34,47MHz (PAL)

34,5MHz, 34,65MHz (SECAM)

38,3MHz, 38,15MHz (SECAM L')

Terminals:

AV1 IN

Video (21pin) Audio(21pin)

1V p-p 75Ω

RGB (21pin)

 $500mV \text{ rms } 10k\Omega$ $0.7V p-p 75\Omega$

AV1 OUT

Video (21pin)

1V p-p 75Ω

Audio (21pin)

 $500mV \text{ rms } 1k\Omega$

AV2 IN

Video (21pin)

Audio(21pin) S-Video IN (21pin)

1V p-p 75Ω 500mV rms 10kΩ Y: 1V p-p 75Ω C: 0,3V p-p 75Ω

AV2 OUT

Video (21pin) Audio (21pin) 1V p-p 75Ω 500mV rms 1kΩ

AV3 FRONT Audio (RCAx2)

Video (RCAx1) S-Video IN

 $500mV \text{ rms } 10k\Omega$ 1V p-p 75Ω Y: 1V p-p 75Ω C: 0,3V p-p 75Ω

High Voltage:

29kV ± 1kV

Picture Tube: W76QEN693X17 76cm

W76MAF185X72 76cm - (TX-32PS12P)

Audio Output:

2x7W RMS, 2x14W MPO,

8Ω impedance

Headphones:

8Ω impedance

Accesories

supplied:

Remote Control 2xR6 (UM3) Batteries

Dimensions:

Heiaht: Width:

567 mm

Depth:

902 mm 551 mm

Net weight: 53 ka

(TX-32PS12P = 51 kg)

Specifications are subject to change without notice. Weights and dimensions shown are approximate.

Panasonic

CONTENTS

SAFETY PRECAUTIONS	2
SERVICE HINTS	3
VOLTAGE CHECK AND OPTION BYTES	4
WAVEFORM PATTERN TABLE	5
ALIGNMENT SETTINGS	6
BLOCK DIAGRAMS	7
PARTS LOCATION	9
REPLACEMENT PARTS LIST 1	0
SCHEMATIC DIAGRAMS	8
CONDUCTOR VIEWS	1

SAFETY PRECAUTION

GENERAL GUIDE LINES

- 1. It is advisable to insert an isolation transformer in the a.c. supply before servicing a hot chassis.
- When servicing, observe the original lead dress in the high voltage circuits. If a short circuit is found, replace all parts that have been overheated or damaged by the short circuit.
- 3. After servicing, see that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations are correctly installed.
- 4. When the receiver is not being used for a long period of time, unplug the power cord from the a.c. outlet.
- 5. Potentials as high as 30kV are present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the tube.
- After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazard.

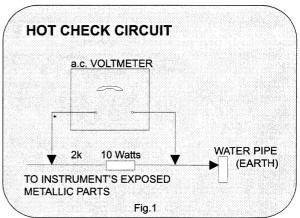
LEAKAGE CURRENT COLD CHECK

- 1. Unplug the a.c. cord and connect a jumper between the two prongs of the plug.
- 2. Turn on the receiver's power switch.
- 3. Measure the resistance value with an ohmmeter, between the jumpered a.c. plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts etc. When the exposed metallic part has a return path to the chassis, the reading should be between 4M ohm and 20M ohm. When the exposed metal does not have a return path to the chassis, the reading must be infinite.

LEAKAGE CURRENT HOT CHECK

- 1. Plug the a.c. cord directly into the a.c. outlet. Do not use an isolation transformer for this check.
- 2. Connect a $2k\Omega$ 10W resistor in series with an exposed metallic part on the receiver and an earth, such as a water pipe.
- 3. Use an a.c. voltmeter with high impedance to measure the potential across the resistor.

- 4. Check each exposed metallic part and check the voltage at each point.
- 5. Reverse the a.c. plug at the outlet and repeat each of the previous measurements.
- 6. The potential at any point should not exceed 1,4 Vrms. In case a measurement is outside the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.



X-RADIATION WARNING

- The potential sources of X-Radiation in TV sets are the high voltage section and the picture tube.
- 2. When using a picture tube test jig for service, ensure that the jig is capable of handling 30kV without causing X-Radiation.

NOTE: It is important to use an accurate periodically calibrated high voltage meter.

- 1. Set the brightness to minimum.
- 2. Measure the high voltage. The meter should indicate: 29kV ± 1kV.
 - If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
- 3. To prevent any X-Radiation possibility, it is essential to use the specified tube.

SERVICE HINTS

How to remove the rear cover

1. Remove the 11 screws as shown in Fig. 2.

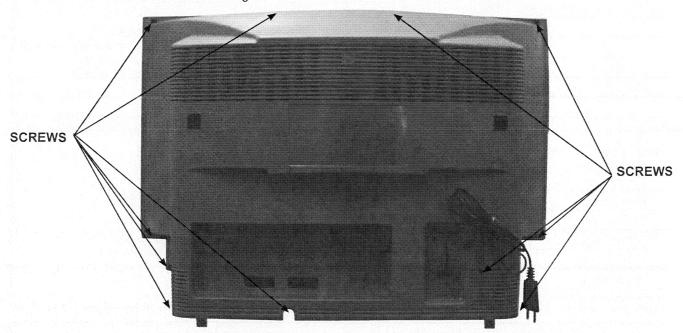
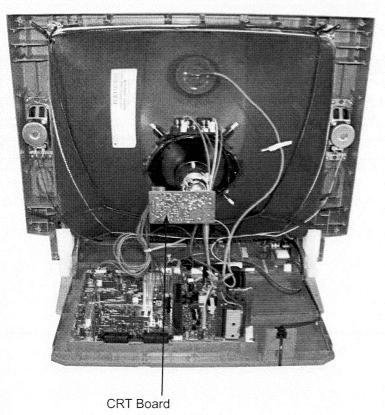


Fig. 2

LOCATION OF CONTROLS



MAIN Board CONTROL Board

SCREEN FOCUS

Fig. 3

VOLTAGE CHECK

SMT		2094.0074*		
MAIN B+ Voltage [V]	129,5	±1 V	D820	
14V [V]	13	± 0,5 V	D831	test conditions ; Input voltage : 230VAC
8V [V]	7,4	± 0,5 V	D830	TV set on ON mode (if nothing specified)
5V [V]	4,6	± 0,5 V	D870	Picture : colour bar - Dynamic Sound : 1Khz - (mode : Music)
SOUND B+ [V]	13,2	± 0,5 V	*Volume Min.	Goulia : TKHZ - (Mode : Music)
	12,8	± 0,5 V	*Volume Max.	

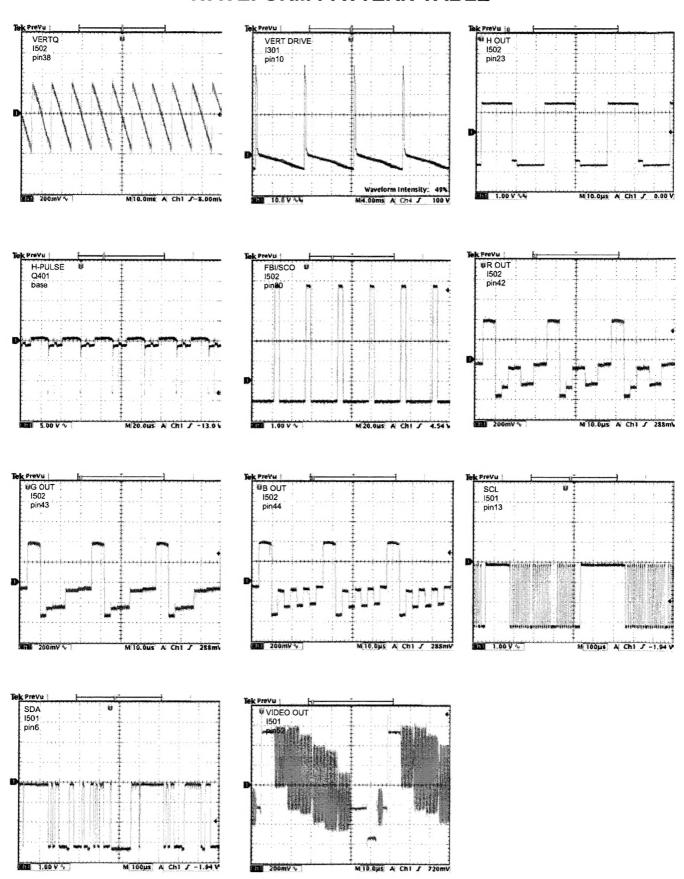
FBT		1302.2002*		
High Voltage IV/I	27,85	± 0,5 kV	load Max.	
High Voltage [V]	29,20	± 0,5 kV	load Min.	test conditions ;
Retrace time	5,40	± 0,2 us		Input voltage : 230VAC
Vcp [V]	1210	± 20 V		Ct = 11nF Cs = 0.3uF
Video Voltage [V]	180	± 5%		L linearity: TRL-5R0D
14V line [V]	14	± 5%		CRT : W76QEN693X172
52V line [V]	52	± 5%		
Heater Voltage [Vrms]	6,2	± 5%		

G2 SCREEN / CUTOFF	
Receive a Color bar pattern]
2. set the TV into Service mode.	Adjust the screen VR till G2-SCREEN get 32(31~33).
3. Select G2 SCREEN item.	

OPTION BYTES

MODEL	OPTION BYTE 1		MODEL OPTION BYTE 1 OPTION BYTE 2		BYTE 2
TX-32E50D	10011000	0 x 98	01111011	0 x 7B	
TX-32PS12D	10011000	0 x 98	01111011	0 x 7B	
TX-32PS12F	00011000	0 x 18	01111011	0 x 7B	
TX-32PS12P	00011000	0 x 18	01111011	0 x 7B	

WAVEFORM PATTERN TABLE



ALIGNMENT SETTINGS

(The figures below are nominal and used for representative purposes only.)

To access Service Mode select program position 99 and set sharpness to minimum.

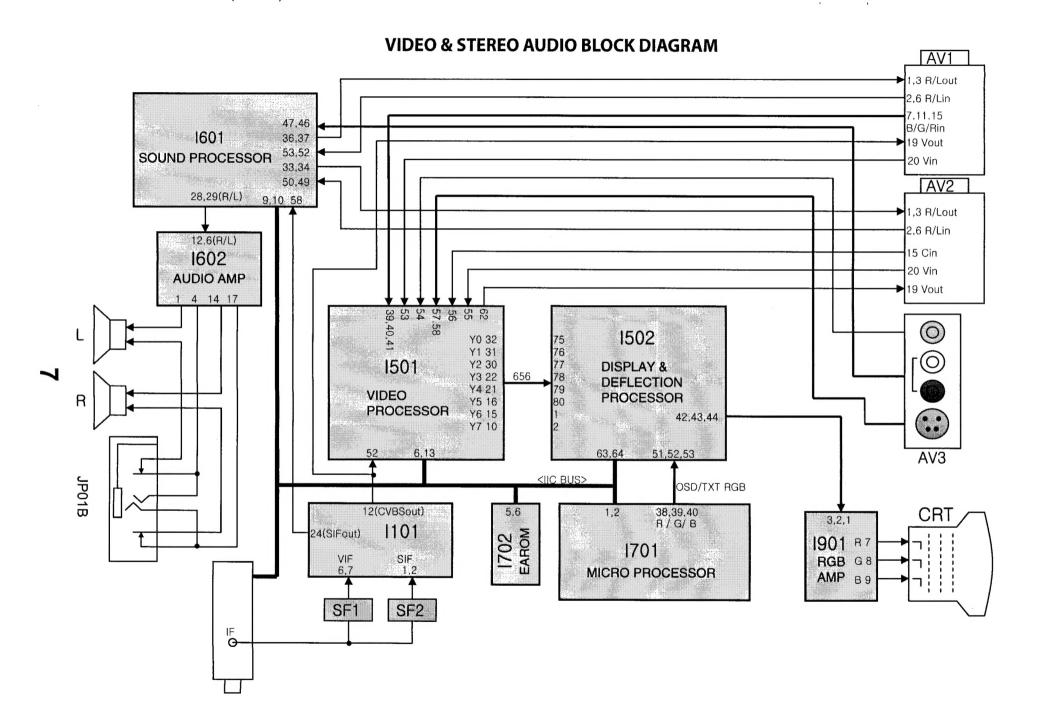
Press "MUTE" button on remote control and at the same time press the "V" button on the customer controls at the front of the TV, this will place the TV set into Service Mode.

Press Λ/V buttons to step up / down through the functions.

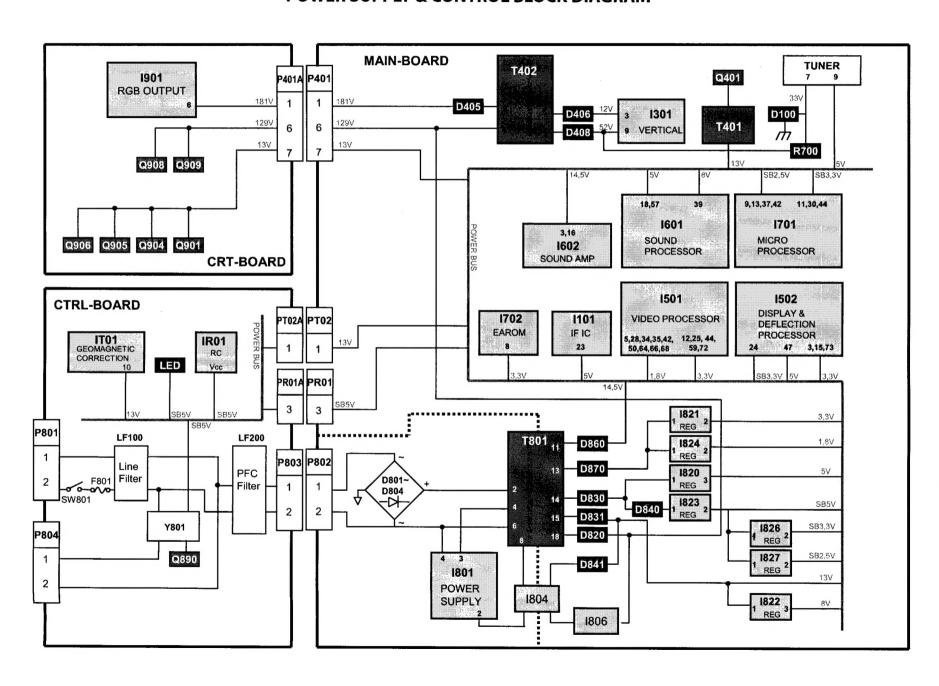
Press + / - buttons to alter the function values.

To exit Service Mode press "MENU" button.

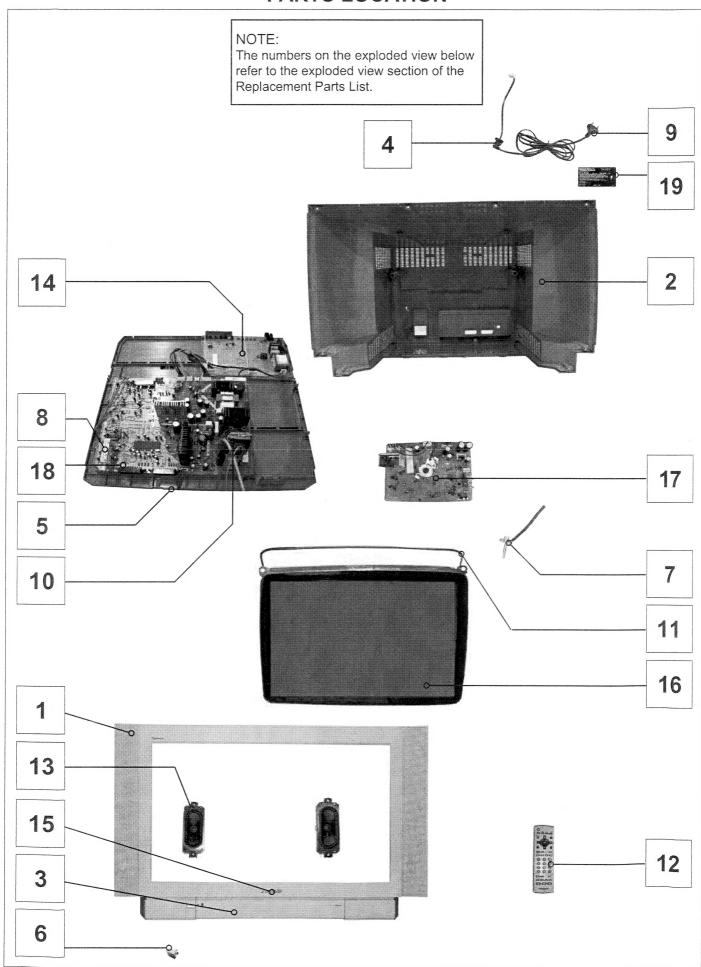
No	Setting in indication Note: All settings are approximate	Settings / Special features			
1	PARABOLA	+ 196			
2	HOR WIDTH	- 99			
3	CORNER T	- 37			
4	CORNER B	- 26			
5	HOR PARAL	+ 7			
6	V. LINEAR	-1			
7	EW-TRAPEZ	+ 35			
8	S CORRECT	+ 80			
9	VERT CENT	- 5			
10	VERT SIZE	- 14			
11	SHIPPING	OFF			
12 HOR CEN		- 152			
13	RED GAIN	+ 322			
14	GRN GAIN	+ 308			
15	BLUE GAIN	+ 330			
16	RED BIAS	+ 121			
17	GRN BIAS	+ 262			
18	AGC LEVEL	+ 29			
19	G2 SCREEN	+ 32			
20	AFT	+ 32			
21	Bit0 ~ Bit7	Defeate the Oakies Date (D. 1)			
22	Bit0 ~ Bit7	Refer to the Option Bytes(Page4)			
23	Bit0 ~ Bit7	0 x FF			
24	AVL	OFF			



POWER SUPPLY & CONTROL BLOCK DIAGRAM



PARTS LOCATION



REPLACEMENT PARTS LIST

Important Safety Notice

Components Identified by \triangle mark have special characteristics important for safety. * When replacing any of these components, use only manufacturers specified parts. In case of ordering these spare parts, please always add the complete Model-Type number to your order.

Cct Ref	Parts Number	Description	
СОММ	ON PARTS		
EXDI OL	DED VIEW		
1	4852092300	CABINET	
2	4852174700	BACK COVER	
3	4852826101	DOOR	
4	4853535500	HOLDER AC CORD	
5	4853828210	CHASSIS FRAME	
6	4854871201	POWER BUTTON	
7	4856017754	SCREW CRT FIX	
8	4859724930	TUNER	
9	4859906210	POWER CORD	
10	50H0000301	F.B.T.	
11	58G0000165	DEGAUSS COIL	
12		REMOTE CONTROL	
13	FB126C2-B1	SPEAKER	
14 15	PTCTMSV32P1F TBM8E1928	CONTROL P.C.B. PANASONIC BADGE	
MISCEL	LANEOUS COMP	ONENTS	
	4853418800	CRT BRACKET A	
	4853418900	CRT BRACKET B	
	4853418900 4855062400	PRESET LABEL	
•	4855062400 4855062500	PRESET LABEL PRESET LABEL	
	4855062400 4855062500 4855555500	PRESET LABEL PRESET LABEL DECO SENSOR	
	4855062400 4855062500	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER	
	4855062400 4855062500 4855555500	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET	
	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK	
	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP	
G901	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP	
G901 G902	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP	
G901 G902 G903	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP	
G901 G902 G903 G904	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP	
G901 G902 G903 G904 PWC1A	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP	
G901 G902 G903 G904 PWC1A	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE	
G901 G902 G903 G904 PWC1A .C.s	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF	
G901 G902 G903 G904 PWC1A .C.s	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL	
G901 G902 G903 G904 PWC1A .C.s	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4STDX0001 4SGDX0001 4SGDX0001	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO	
G901 G902 G903 G904 PWC1A .C.s :101 301 501	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SGDX0001 4SFORMO001 4SGDX0001 4SFORMO001 4SFORMO001	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO IC CHIP	
G901 G902 G903 G904 PWC1A .C.s 1101 301 501 502 601	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 TDA4470M TDA8358J VSP9402AQ DDP3315CQ MSP3410V3	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO IC CHIP IC SOUND	
G901 G902 G903 G904 PWC1A .C.s 1101 301 501 502 601 602	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 TDA4470M TDA8358J VSP9402AQ DDP3315CQ MSP3410V3 TDA8946J	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO IC CHIP IC SOUND IC AUDIO	
G901 G902 G903 G904 PWC1A .C.s 1101 301 501 502 601 602 704	4855062400 4855062500 4855062500 485555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 TDA4470M TDA8358J VSP9402AQ DDP3315CQ MSP3410V3 TDA8946J K1A7025AP	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO IC CHIP IC SOUND IC AUDIO IC RESET	
G901 G902 G903 G904 PWC1A .C.s 1101 301 501 502 601 602 704	4855062400 4855062500 4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 TDA4470M TDA8358J VSP9402AQ DDP3315CQ MSP3410V3 TDA8946J K1A7025AP STRF6654	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO IC CHIP IC SOUND IC AUDIO IC RESET IC SMPS	
G901 G902 G903 G904 PWC1A .C.s 1101 1301 1501 1502 1601 1602 1704 801 804	4855062400 4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 TDA4470M TDA8358J VSP9402AQ DDP3315CQ MSP3410V3 TDA8946J K1A7025AP STRF6654 LTV817C	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO IC CHIP IC SOUND IC AUDIO IC RESET IC SMPS PHOTO COUPLER	
G900 G901 G902 G903 G904 PWC1A .C.s 1101 1301 1501 1502 1601 1602 1704 1801 1804	4855062400 4855062500 4855062500 4855555500 4857541000 49519A0110 LA701 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 4SG0DX0001 TDA4470M TDA8358J VSP9402AQ DDP3315CQ MSP3410V3 TDA8946J K1A7025AP STRF6654	PRESET LABEL PRESET LABEL DECO SENSOR COVER SPEAKER CRT GROUND NET DOOR LOCK SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP CORE FERRITE IC IF IC VERTICAL IC CHIP VIDEO IC CHIP IC SOUND IC AUDIO IC RESET IC SMPS	

Cct Ref	Parts Number	Description	
1821	LD1117V33	IC REGULATOR	
1822	L7808CV	IC REGULATOR	
1823	LD1117V50	IC REGULATOR	
1824	LD1117V18	IC REGULATOR	
1826	LD1117V33	IC REGULATOR	
1827	LD1117V25	IC REGULATOR	
1901	TDA6108JF	RGB OUTPUT	
IR01	1TS0P1238W	IC PREAMP	
IT01	LA6515	EARTH CORRECTION	
FUSES			
F801	5FSCB4022R	FUSE 4A250V	
DIODES	OI COD TOLLIN	1002 4/12001	
	DTZVOOD	DIODE TENED	
D100	DTZX33B	DIODE ZENER	
D101	DBAT85	DIODE	
D103	BA282	DIODE	
D313	DRGP15J	DIODE	
D360	DTZX22C	DIODE	
D361	DTZX33B	DIODE ZENER	
D362	DTZX33B	DIODE ZENER	
D367	DTZX33B	DIODE ZENER	
D404	DFMP3FU	DIODE	
D405	1N4937G	DIODE	
D406	HER308G	DIODE	
D408	1N4937G	DIODE	
D410	1N4937G	DIODE	
D414	1N4004S	DIODE	
D415	1N4937G	DIODE	
D530	1N4148	DIODE	
D531	1N4148	DIODE	
D535	1N4148	DIODE	
D540	1N4148	DIODE	
D541	1N4148	DIODE	
D550	1N4148	DIODE	
D551	1N4148	DIODE	
D602	1N4148	DIODE	
D701	1N4148	DIODE	
D702	1N4148	DIODE	
D720	TZX2V7A	DIODE ZENER	
D730	TZX7V5C	DIODE ZENER	
D733	TZX7V5C	DIODE ZENER	
D733 D777	DTZX5V6B	DIODE	
D801	LT2A05G	DIODE	
D801 D802	LT2A05G		
		DIODE	
D803	LT2A05G	DIODE	
D804	LT2A05G	DIODE	
D805	DRGP15J	DIODE	
D806	DRGP15J	DIODE	
D808	DRGP15J	DIODE	
D809	DRGP15J	DIODE	
	DTZX6V2	DIODE ZENER	
D811 D820	DBYW76	DIODE	

	Cct Ref	Parts Number	Description
	D024	DRGP15J	V TALL
	D821		DIODE
	D824	1N4148	DIODE
	D825	1N4148	DIODE
	D830	DRGP15J	DIODE
	D831	DRGP15J	DIODE
	D840	1N4004S	DIODE
	D841	1N4004S	DIODE
	D860	DBYW76	DIODE
	D870	DRGP15J	DIODE
	1		
	D890	1N4148	DIODE
	D906	1N4148	DIODE
	D907	1N4148	DIODE
	D908	1N4148	DIODE
	D909	1N4148	DIODE
	D910	1N4148	DIODE
	D911	1N4004S	DIODE
	D912	1N4004S	DIODE
	D913	1N4004S	DIODE
	D914	EU1Z	DIODE
	D915	EU1Z	DIODE
	D921	1N4004S	DIODE
	D922	1N4004S	DIODE
	D923	1N4004S	DIODE
	D997	LT2A05G	DIODE
	DA11	DTZX5V6B	DIODE
	DA16	DTZX5V6B	DIODE
	DA17	DTZX5V6B	DIODE
	DA27	DTZX5V6B	DIODE
	DT01		
		DTZX5V6B	DIODE
	DT02	DTZX5V6B	DIODE
	DT03	DTZX5V6B	DIODE
	TRANSIS	TORS	
	Q103	2SC5343Y	TRANSISTOR
	Q104	2SC5343Y	TRANSISTOR
	Q110	2SC5343Y	TRANSISTOR
	Q150	2SC5343Y	TRANSISTOR
	Q151	2SC5343Y	TRANSISTOR
	Q333	2SC5343Y	TRANSISTOR
	Q334	2SC5343Y	TRANSISTOR
	Q401	ST2310DH1	TRANSISTOR
	Q402	2SD1207	TRANSISTOR
	Q502	2SC5343Y	TRANSISTOR
	Q503	2SC5343Y	TRANSISTOR
	Q504	2SA1980Y	TRANSISTOR
	Q542	2SA1980Y	TRANSISTOR
	Q543	2SA1980Y	
			TRANSISTOR
	Q544	2SA1980Y	TRANSISTOR
	Q550	2SC5343Y	TRANSISTOR
	Q601	2SA1980Y	TRANSISTOR
	Q730	2SC5343Y	TRANSISTOR
ĺ	Q731	2SC5343Y	TRANSISTOR
	Q733	2SC5343Y	TRANSISTOR
	Q734	2SC5343Y	TRANSISTOR
	Q807	2SC5343Y	TRANSISTOR
í	Q808	2SC5343Y	TRANSISTOR
	Q809	2SC5343Y	TRANSISTOR
	Q810	2SC5343Y	TRANSISTOR
1	Q811	2SC5343Y	TRANSISTOR
	Q890	KTC3203-Y	TRANSISTOR
	Q901	2SC5343Y	TRANSISTOR
-	Q902	2SC5343Y	TRANSISTOR
1	Q903	2SC5343Y	TRANSISTOR
	Q904	2SC5343Y	TRANSISTOR
	Q905	2SC5343Y	TRANSISTOR
	Q906	2SC5343Y	TRANSISTOR
1	Q907	2SA1980Y	TRANSISTOR
	2001	25/10001	

Cct Ref	Parts Number	Description	
Q908	KTA1659AY	TRANSISTOR	
Q909	KTC4370AY	TRANSISTOR	
Q921	TBF423	TRANSISTOR	
Q922	TBF423	TRANSISTOR	
Q923	TBF423	TRANSISTOR	
QR01	2SC5343Y	TRANSISTOR	
QS01	2SC5343Y	TRANSISTOR	
QT01	2SC5343Y	TRANSISTOR	
TRANSF	ORMERS		
		TO A NO SO DATE DO DO TO	
T401	50D25A2	TRANSFORMER DRIVE	Δ.
T801	50M4936B4-	TRANSFORMER SMPS	A
COILS			
L101	5CPX479K	PEAKING COIL	
L105	PZ479K02	PEAKING COIL	
L150	TRF-A005	COIL AFT	
L153	5CPZ120K02	PEAKING COIL	
L380	58C0000120	COIL CHOKE	
L381	58C0000120	COIL CHOKE	
L402	5MC0000100	COIL BEAD	
L403	58C0000118	COIL CHOKE	
L501	5CPZ479K04	COIL PEAKING	i
L502	5CPZ479K04	COIL PEAKING	
L506	5CPZ479K04	COIL PEAKING	
L507	5CPZ100K04	PEAKING COIL	
L524	5CPZ100K02	PEAKING COIL	:
L551	5CPZ479K04	COIL PEAKING	
L568	5CPZ100K02	PEAKING COIL	
L601	PZ479K02	PEAKING COIL	
L602	5CPZ100K02	PEAKING COIL	
L603	PZ479K02	PEAKING COIL	İ
L605	PZ479K02	PEAKING COIL	
L650	5MC0000100	COIL BEAD	
L709	5CPZ100K02	PEAKING COIL	
L711	5CPZ100K02	PEAKING COIL PEAKING COIL	
L711	5CPZ100K02	PEAKING COIL PEAKING COIL	
L730	5CPZ100K02	PEAKING COIL PEAKING COIL	
L737		PEAKING COIL PEAKING COIL	i
	5CPZ100K02	PEAKING COIL PEAKING COIL	
L742 L744	5CPZ100K02		
	5CPZ100K02	PEAKING COIL	!
L801	5MC0000100	COIL BEAD	i
L802	58CX430599	COIL CHOKE	
L901	5MC0000100	COIL BEAD	
L902	5MC0000100	COIL BEAD	
L903	5MC0000100	COIL BEAD	
L904	58C0000116	COIL BEAD	
LF200	58C0000153	COIL CHOKE PFC	Δ
LP01	PZ569K02	COIL	
FILTERS			
FT03	5PXF1B471M	FILTER	İ
FT04	5PXF1B471M	FILTER	
LF100	5PLF24A3	FILTER LINE	A
SF1	K3953M	FILTER SAW	
SF2	5PK9650M	FILTER SAW	1
Z153	5PXXT5R5MB	FILTER CERA	
Z601	5PXF1B471M	FILTER	
Z602	5PXF1B471M	FILTER	
Z603	5PXF1B471M	FILTER	:
Z604	5PXF1B471M	FILTER	
Z605	5PXF1B471M	FILTER	
Z606	5PXF1B471M	FILTER	!
Z607	5PXF1B471M	FILTER	i
Z608	5PXF1B471M	FILTER	
ZT01	5PXF1B471M	FILTER	
ZT02	5PXF1B471M	FILTER	1
			i

0-4 P-4	D-4- N	B				
Cct Ref	Parts Number	Description				
CRYSTA	LS					
X501	5XE20R250E	CRYSTAL QUARTZ				
X502	5XEX5R000E	CRYSTAL QUARTZ				
X601	5XE18R432E	CRYSTAL C	CRYSTAL QUARTZ			
X701	E6R0000C	CRYSTAL C	UARTZ			
RESIST	ORS					
R103	ERD25TJ123	CARBON	0.25W	5%	12K Ω	
R110	RN-4Z1502F	METAL	0.25W	1%	15K Ω	
R111	RD-AZ133J-	CARBON	0.17W	5%	13K Ω	
R150	ERD25TJ561	CARBON	0.25W	5%	560 Ω	
R151	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ	
R152	ERD25TJ271	CARBON	0.25W	5%	270 Ω	
R154	RD-AZ470J	CARBON	0.17W	5%	47 Ω	
R155	RD-AZ751J	CARBON	.166W	5%	750 Ω	
R162	ERD25TJ153	CARBON	0.25W	5%	15K Ω	
R163	ERD25TJ752	CARBON	0.25W	5%	7Κ5 Ω	
R190	ERD25TJ221	CARBON	0.25W	5%	220 Ω	
R191	ERD25TJ331	CARBON	0.25W	5%	330 Ω	
R301	ERD25TJ472	CARBON	0.25W	5%	4Κ7 Ω	
R310	RD-AZ432J-	CARBON	0.17W	5%	4Κ3 Ω	
R311	RD-AZ432J-	CARBON	0.17W	5%	4Κ3 Ω	
R331	RS02Y331JS	METAL	2W	5%	330 Ω	
R333	ERD25TJ222	CARBON	0.25W	5%	2Κ2 Ω	
R334	ERD25TJ222	CARBON	0.25W	5%	2Κ2 Ω	
R345	ERD25TJ473	CARBON	0.25W	5%	47K Ω	
R350	RN-AZ2201F	METAL	0.17W		2Κ2 Ω	
R351	RN-AZ2201F	METAL	0.17W	-	2Κ2 Ω	
R370	ERD25TJ159	CARBON	0.25W	5%	1.5 Ω	
R394	ERD25TJ272	CARBON	0.25W	5%	2Κ7 Ω	
R395	ERD25TJ564	CARBON	0.25W	5%	560K Ω	
R396	ERD25TJ272	CARBON	0.25W	5%	2Κ7 Ω	
R397	ERD25TJ823	CARBON	0.25W	5%	82K Ω	
R398	RW02Y828FS	WOUND	2W	1%	R82 Ω	
R399	RS02Y829JS	METAL	2W	5%	8R2 Ω	
R401	RX05V390J	CEMENT	5W	5%	39 Ω	
R410	RS02Y473JS	METAL	2W	5%	47K Ω	
R414	ERD25TJ681	CARBON	0.25W	5%	680 Ω	
R415	RS02Y561JS	METAL	2W	5%	560 Ω	
R416	RD-4Z471J	CARBON	0.25W	5%	470 Ω	
R420	ERD25TJ471	CARBON	0.25W	5%	470 Ω	
R424	ERD25TJ472	CARBON	0.25W	5%	4Κ7 Ω	
R430	RD-4Z152J-	CARBON	0.25W	5%	1K5 Ω	
R440	RD-4Z334J	CARBON	0.25W	5%	330K Ω	
R444	RS02Y330JS	METAL	2W	5%	33 Ω	
R501	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R502	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R504	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ	
R507	ERD25TJ562	CARBON	0.25W	5%	5Κ6 Ω	
R509	ERD25TJ472	CARBON	0.25W	5%	4Κ7 Ω	
R510	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R511	RD-AZ330J	CARBON	0.17W	.5%	33 Ω	
R512	RD-AZ330J	CARBON	0.17W	5%	33 Ω	
R513	RD-AZ330J	CARBON	0.17W	5%	33 Ω	
R514	ERD25TJ151	CARBON	0.25W	5%	150 Ω	
R515	ERD25TJ223	CARBON	0.25W	5%	22ΚΩ	
R516	ERD25TJ752	CARBON	0.25W	5%	7Κ5 Ω	
R517	ERD25TJ471	CARBON	0.25W	5%	470 Ω	
R518	ERD25TJ750	CARBON	0.25W	5%	75 Ω	
R519	ERD25TJ750	CARBON	0.25W	5%	75 Ω	
R520	ERD25TJ750	CARBON	0.25W	5%	75 Ω	
R524	ERD25TJ391	CARBON	0.25W	5%	390 Ω	
R525	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R533	ERD25TJ392	CARBON	0.25W	5%	3Κ9 Ω	
R534	ERD25TJ391	CARBON	0.25W	5%	390 Ω	
R535	ERD25TJ122	CARBON	0.25W	5%	1K2 Ω	
R537	RD-AZ301J	CARBON	0.17W	5%	300 Ω	
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Cct Ref	Parts Number	Description	1		
R538	RD-AZ301J	CARBON	0.17W	5%	300 Ω
R540	ERD25TJ472	CARBON	0.17W		4K7 Ω
R545	ERD25TJ750	CARBON	0.25W	5%	75 Ω
R551	ERD25TJ471	CARBON	0.25W	5%	470 Ω
R563	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R564	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R566	ERD25TJ220	CARBON	0.25W	5%	22 Ω
R570	ERD25TJ271	CARBON	0.25W	5%	270 Ω
R576	ERD25TJ151	CARBON	0.25W	5%	150 Ω
R580 R588	ERD25TJ101 ERD25TJ101	CARBON	0.25W	5%	100 Ω
R590	ERD25TJ101	CARBON CARBON	0.25W 0.25W	5% 5%	100 Ω 1K Ω
R593	RD-AZ203J	CARBON	0.23W	5%	20ΚΩ
R594	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R595	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R599	ERD25TJ151	CARBON	0.25W	5%	150 Ω
R602	ERD25TJ104	CARBON	0.25W	5%	100K Ω
R605	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R606	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R614	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R615	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R620	RD-AZ242J	CARBON	0.17W	5%	2Κ4 Ω
R621 R622	ERD25TJ102	CARBON CARBON	0.25W	5% 5%	1ΚΩ
R622 R641	ERD25TJ102 ERD25TJ102	CARBON	0.25W 0.25W	5% 5%	1ΚΩ 1ΚΩ
R642	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R646	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R647	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R649	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R650	ERD25TJ682	CARBON	0.25W	5%	6Κ8 Ω
R651	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R652	ERD25TJ102	CARBON	0.25W	5%	1K Ω
R660	ERD25TJ682	CARBON	0.25W	5%	6Κ8 Ω
R680	ERD25TJ473	CARBON	0.25W	5%	47K Ω
R700	ERDS1TJ232	CARBON	0.5W	5%	2Κ3 Ω
R701	ERD25TJ472	CARBON	0.25W	5%	4Κ7 Ω
R702 R703	ERD25TJ102 ERD25TJ101	CARBON CARBON	0.25W 0.25W	5% 5%	1ΚΩ 100Ω
R703	ERD25TJ101	CARBON	0.25W	5% 5%	100 Ω
R708	ERD25TJ472	CARBON	0.25W	5%	4Κ7 Ω
R716	RD-AZ113J	CARBON	0.166	5%	11ΚΩ
R718	RN-AZ3902F	METAL	0.17W	-	39Κ Ω
R720	ERD25TJ681	CARBON	0.25W	5%	680 Ω
R733	ERD25TJ223	CARBON	0.25W	5%	22K Ω
R741	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R748	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R777	ERD25TJ750	CARBON	0.25W	5%	75 Ω
R801	DDB7R0M290	POSISTOR	-	-	- Ω <u>A</u>
R802	RS02Y753JS	METAL	2W	5%	75K Ω
R804 R805	RF01Y158K RD-2Z100J	FUSIBLE CARBON	1W	10%	R15 Ω 10 Ω
R806	RD-2Z100J RD-2Z472J	CARBON	0.5W 0.5W	5% 5%	4K7 Ω
R807	RD-2Z272J	CARBON	0.5W	5%	2Κ7 Ω
R808	RD-2Z821J	CARBON	0.5W	5%	820 Ω
R810	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R811	RC-2Z565KP	CARBON	0.5W	10%	5.6M Ω Å
R817	ERD25TJ473	CARBON	0.25W	5%	47Κ Ω
R819	RX10B339JN	SOLID	10W	5%	3R3 Ω
R820	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R821	ERD25TJ102	CARBON	0.25W	5%	1Κ Ω
R829	ERD25TJ103	CARBON	0.25W	5%	10K Ω
R830	ERD25TJ332	CARBON	0.25W	5%	3K3 Ω
R841	RD-2Z470J	CARBON	0.5W	5%	47 Ω
R850 R854	RS02Y129JS RS02Y569JS	METAL METAL	2W	- 50/	1R2 Ω 5R6 Ω
R870	ERD25TJ222	CARBON	2W 0.25W	5% 5%	2Κ2Ω
	LINDEVIVEEE	OANDON	0.2044	J/0	211212

Cct Ref	Parts Number	Description			
R890	ERD25TJ472	CARBON	0.25W	5%	4Κ7 Ω
R891	ERD25TJ473	CARBON	0.25W	5%	47K Ω
R892	RD-AZ470J	CARBON	0.17W	5%	47 Ω
R893	ERD25TJ472	CARBON	0.25W	5%	4K7 Ω
R901	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R902	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R903	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R906	RF02Y629J	FUSIBLE	2W	5%	6R2 Ω
R911 R912	ERD25TJ101 ERD25TJ101	CARBON CARBON	0.25W 0.25W	5% 5%	100 Ω 100 Ω
R913	ERD25TJ101	CARBON	0.25W	5%	100 Ω
R915	RS02Y100JS	METAL	2W	5%	10 Ω
R924	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
R925	ERD25TJ471	CARBON	0.25W	5%	470 Ω
R926	RD-2Z471J	CARBON	0.5W	5%	470 Ω
R927	RD-AZ121J	CARBON	0.166	5%	120 Ω
R928	ERD25TJ223	CARBON	0.25W	5%	22K Ω
R929	RD-AZ273J	CARBON	0.17W	5%	27Κ Ω
R930	ERD25TJ333	CARBON	0.25W	5%	33K Ω
R931	ERD25TJ333	CARBON	0.25W	5%	33K Ω
R932	ERD25TJ333	CARBON	0.25W	5%	33K Ω
R933 R934	ERD25TJ333 ERD25TJ393	CARBON	0.25W 0.25W	5%	33K Ω
R935	ERD25TJ563	CARBON CARBON	0.25W	5% 5%	39K Ω 56K Ω
R936	ERD25TJ103	CARBON	0.25W	5%	10K Ω
R937	ERD25TJ820	CARBON	0.25W	5%	82 Ω
R938	RD-2Z100J	CARBON	0.5W	5%	10 Ω
R939	ERD25TJ820	CARBON	0.25W	5%	82 Ω
R940	ERD25TJ122	CARBON	0.25W	5%	1Κ2 Ω
R941	ERD25TJ152	CARBON	0.25W	5%	1K5 Ω
R942	ERD25TJ683	CARBON	0.25W	5%	68K Ω
R943	ERD25TJ683	CARBON	0.25W	5%	68K Ω
R944	ERD25TJ123	CARBON	0.25W	5%	12K Ω
R945	ERD25TJ122	CARBON	0.25W	5%	1Κ2 Ω
R946 R947	ERD25TJ152 RD-2Z620J	CARBON CARBON	0.25W 0.5W	5% 5%	1K5 Ω 62 Ω
R948	RD-2Z279J	CARBON	0.5W	5%	2R7 Ω
R950	RD-2Z279J	CARBON	0.5W	5%	2R7 Ω
R951	RN01B102JS	METAL	1W	5%	1ΚΩ
R952	RD-2Z620J	CARBON	0.5W	5%	62 Ω
R953	ERG2SJS391	METAL	2W	5%	390 Ω
R955	ERD25TJ182	CARBON	0.25W	5%	1K8 Ω
R956	RN02B100JS	METAL	2W	5%	10 Ω
R963	ERD25TJ392	CARBON	0.25W		3K9 Ω
R964	ERD25TJ392	CARBON	0.25W	5%	3Κ9 Ω
R965	RD-2Z100J	CARBON	0.5W		10 Ω
R966 R967	ERD25TJ222 ERD25TJ431	CARBON	0.25W 0.25W		2Κ2 Ω
R996	ERDS1TJ105	CARBON CARBON	0.25VV	5% 5%	430 Ω 1M Ω
R997	ERDS1TJ103	CARBON	0.5W	5%	1ΚΩ
RA01	ERD25TJ220	CARBON	0.25W		22 Ω
RA15	ERD25TJ680	CARBON	0.25W	5%	68 Ω
RA16	ERD25TJ750	CARBON	0.25W		75 Ω
RA35	ERD25TJ750	CARBON	0.25W	5%	75 Ω
RA88	ERD25TJ750	CARBON	0.25W	5%	75 Ω
RC102	HRFT561JBA	CHIP	0.1W	5%	560 Ω
RC106	HRFT101JBA	CHIP	0.1W		100 Ω
RC107	HRFT101JBA	CHIP	0.1W	5%	100 Ω
RC109	HRFT104JBA	CHIP	0.1W		100ΚΩ
RC112	HRFT223JBA	CHIP	0.1W		22K Ω
RC114	HRFT472JBA	CHIP	0.1W	5%	4K7 Ω
RC118 RC119	HRFT151JBA HRFT272JBA	CHIP	0.1W	5% 5%	150 Ω
RC119	HRFT470JBA	CHIP	0.1W 0.1W		2Κ7 Ω 47 Ω
RC159	HRFT682JBA	CHIP	0.1W	5%	6Κ8 Ω
RC160	HRFT472JBA	CHIP	0.1W	5%	4Κ7 Ω

Cct Ref	Parts Number	Description			
RC161	HRFT102JBA	CHIP	0.1W	5%	1ΚΩ
RC164	HRFT752JBA	CHIP	0.1W	5%	7K5 Ω
RC169	HRFT222JBA	CHIP	0.1W	5%	2Κ2 Ω
RC177	HRFT562JBA	CHIP	0.1W	5%	5Κ6 Ω
RC179	HRFT222JBA	CHIP	0.1W	5%	2Κ2 Ω
RC501	HRFT221JBA	CHIP	0.1W	5%	220 Ω
RC506	HRFT750JBA	CHIP	0.1W	5%	75 Ω
RC513	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC516	HRFT471JBA	CHIP	0.1W	5%	470 Ω
RC517	HRFT332JBA	CHIP	0.1W	5%	ЗКЗ Ω
RC518	HRFT151JBA	CHIP	0.1W	5%	150 Ω
RC519	HRFT151JBA	CHIP	0.1W	5%	150 Ω
RC527	HRFT333JBA	CHIP	0.1W	5%	33K Ω
RC530	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC532	HRFT223JBA	CHIP	0.1W	5%	22Κ Ω
RC550	HRFT102JBA	CHIP	0.1W	5%	1K Ω
RC551	HRFT471JBA	CHIP	0.1W	5%	470 Ω
RC560	HRFT102JBA	CHIP	0.1W	5%	1ΚΩ
RC568	HRFT102JBA	CHIP	0.1W	5%	1ΚΩ
RC577	HRFT151JBA	CHIP	0.1W	5%	150 Ω
RC578	HRFT330JBA	CHIP	0.1W	5%	33 Ω
RC579	HRFT330JBA	CHIP	0.1W	5%	33 Ω
RC580	HRFT821JBA	CHIP	0.1W	5%	820 Ω
RC581	HRFT102JBA	CHIP	0.1W	5%	1ΚΩ
RC582	HRFT102JBA	CHIP	0.1W	5%	1ΚΩ
RC583 RC584	HRFT102JBA HRFT821JBA	CHIP	0.1W	5% 5%	1K Ω 820 Ω
RC585	HRFT911JBA	CHIP	0.1W 0.1W	5%	910 Ω
RC586	HRFT911JBA	CHIP	0.1W	5%	910 Ω
RC587	HRFT821JBA	CHIP	0.1W	5%	820 Ω
RC589	HRFT330JBA	CHIP	0.1W	5%	33 Ω
RC591	HRFT393JBA	CHIP	0.1W	5%	39K Ω
RC595	HRFT271JBA	CHIP	0.1W	5%	270 Ω
RC598	HRFT271JBA	CHIP	0.1W	5%	270 Ω
RC661	HRFT512JBA	CHIP	0.1W	5%	5Κ1 Ω
RC662	HRFT512JBA	CHIP	0.1W	5%	5K1 Ω
RC701	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC715	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC718	HRFT223JBA	CHIP	0.1W	5%	22K Ω
RC725	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC729	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC730	HRFT223JBA	CHIP	0.1W	5%	22K Ω
RC731	HRFT223JBA	CHIP	0.1W	5%	22K Ω
RC732	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC733	HRFT473JBA	CHIP	0.1W	5%	47K Ω
RC734	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC735	HRFT223JBA	CHIP	0.1W	5%	22K Ω
RC736	HRFT103JBA	CHIP	0.1W	5%	10ΚΩ
RC737	HRFT682JBA	CHIP	0.1W	5%	6K8 Ω
RC738 RC739	HRFT000-BA HRFT000-BA	CHIP	0.1W	-	Ω 0
RC739	HRFT000-BA	CHIP	0.1W 0.1W	-	0Ω 0Ω
RC741	HRFT682JBA	CHIP	0.1W	- 5%	6Κ8 Ω
RC742	HRFT682JBA	CHIP	0.1W	5%	6Κ8 Ω
RC743	HRFT682JBA	CHIP	0.1W	5%	6Κ8 Ω
RC750	HRFT183JBA	CHIP	0.1W	5%	18K Ω
RC751	HRFT472JBA	CHIP	0.1W	5%	4Κ7 Ω
RC770	HRFT332JBA	CHIP	0.1W	5%	3Κ3 Ω
RC781	HRFT332JBA	CHIP	0.1W	5%	зкз Ω
RC787	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC788	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC789	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC790	HRFT512JBA	CHIP	0.1W	5%	5K1 Ω
RC791	HRFT103JBA	CHIP	0.1W	5%	10K Ω
RC799	HRFT472JBA	CHIP	0.1W	5%	4K7 Ω
RCS02	HRFT223JBA	CHIP	0.1W	5%	22K Ω

Cct Ref	Parts Number	Description			
		Description			•
RCS03	HRFT330JBA	CHIP	0.1W	5%	33 Ω
RR01	ERD25TJ151	CARBON	0.25W	5%	150 Ω
RR02	RD-4Z241J	CARBON	0.25W	5%	240 Ω
RR03	ERD25TJ391	CARBON	0.25W	5%	390 Ω
RR04	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
RR05	ERD25TJ472	CARBON	0.25W	5%	4K7 Ω
RR06	ERD25TJ221	CARBON	0.25W	5%	220 Ω
RR08	ERD25TJ331	CARBON	0.25W	5%	330 Ω
RR10	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
RR11	ERD25TJ101	CARBON	0.25W	5%	100 Ω
RS01	ERD25TJ271	CARBON	0.25W	5%	270 Ω
RS04	ERD25TJ151	CARBON	0.25W	5%	150 Ω
RT01	ERD25TJ392	CARBON	0.25W	5%	3Κ9 Ω
RT02	RD-2Z229J	CARBON	0.5W	5%	2R2 Ω
RT03	RD-AZ273J	CARBON	0.17W	5%	27Κ Ω
RT04	ERD25TJ392	CARBON	0.25W	5%	3Κ9 Ω
RT06	ERD25TJ103	CARBON	0.25W	5%	10K Ω
RT07	RD-AZ273J	CARBON	0.17W	5%	27Κ Ω
RT08	ERD25TJ103	CARBON	0.25W	5%	10K Ω
RT09	ERD25TJ272	CARBON	0.25W	5%	2Κ7 Ω
RT10	ERD25TJ472	CARBON	0.25W	5%	4K7 Ω
RT11	ERD25TJ473	CARBON	0.25W	5%	47K Ω
RT12	RD-2Z229J	CARBON	0.5W	5%	2R2 Ω
RT13	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
RT14	RD-AZ302J-	CARBON		5%	3ΚΩ
			0.17W		
RT16	ERD25TJ102	CARBON	0.25W	5%	1ΚΩ
RT18	ERDS1TJ151	CARBON	0.5W	5%	150 Ω
RT19	ERDS1TJ151	CARBON	0.5W	5%	150 Ω
RT20	ERD25TJ750	CARBON	0.25W	5%	75 Ω
CAPACI	TORS				
C101	ECKC1H101J	CERAMIC	50V		100pF
C102	ECEA1ES470	ELECT	25V		47µF
C102	CEXF1H221V	ELECT	50V		220µF
					-
C117	ECEA1H229	ELECT	50V		2.2µF
C118	ECQV1J474JMW	FILM	63V		470nF
C121	ECEA1ES470	ELECT	25V		47µF
C150	CEXF1E100V	ELECT	25V		10μF
C152	CEXF1E100V	ELECT	25V		10µF
C153	ECEA1H229	ELECT	50V		2.2µF
C157	CEXF1E100V	ELECT	25V		10µF
C161	CZCH1H220J	CERAMIC	50V		22pF
C164	ECEA1ES470	ELECT	25V		47µF
C188	CEXF1E100V	ELECT	25V		10µF
C301	CMXM2A224J	FILM	100V		0.22µF
C305	ECEA1ES221	ELECT	25V		220µF
C313	CMXM2A104J	MYLAR	100V		100nF
C315	ECEA1H101	ELECT	50V		100HF
C320	CBXF1H104Z	CERAMIC	50V		0.1µF
C340	CMXM2A683J	FILM	100V		68nF
C350	CMXM2A223J	MYLAR	100V		22nF
C351	CMXM2A223J	MYLAR	100V		22nF
C370	ECCR1H473J	CERAMIC	50V		47nF
C401	ECEA1ES101	ELECT	25V		100µF
C405	CMYE2J183J	MYLAR	630V		18nF
C407	ECCR2H102J	CERAMIC	500V		1nF
C408	CMYF2G304J	MYLAR	400V		300nF
C410	CCXB2H681K	CERAMIC	500V		680pF
C411	ECEA2CS339	ELECT	160V		3.3µF
C415	ECA2EM100B	ELECT	250V		10μF
C416	CCYR3D471K	CERAMIC	2kV		
					470pF
C417	CMYE2G103J	MYLAR	400V		10nF
C418	CEYD1H689W	ELECT	50V		6.8µF
C424	CMXM2A333J	MYLAR	100V		33nF
C425	ECCR1H472J	CERAMIC	50V		4.7nF
C440	ECKC1H221J	CERAMIC	50V		220pF
C501	CEXF1E100V	ELECT	25V		10µF

Cct Ref	Parts Number	Description		
C502	CEXF1E100V	ELECT	25V	10µF
C503	CEXF1E100V	ELECT	25V	10µF
C504	CEXF1E100V	ELECT	25V	10µF
C505	ECEA1H100	ELECT	50V	10µF
C506	CEXF1E100V	ELECT	25V	10μF
C508	CCZB1H473K	CERAMIC	50V	47nF
C509	CCZB1H473K	CERAMIC	50V	47nF
C510	CCZB1H473K	CERAMIC	50V	47nF
C515	CBZF1H104Z	CERAMIC	50V	100nF
C516	CBZF1H104Z	CERAMIC	50V	100nF
C517 C518	CBZF1H104Z CBZF1H104Z	CERAMIC CERAMIC	50V 50V	100nF
C519	CBZF1H104Z	CERAMIC	50V	100nF 100nF
C519	ECEA1ES470	ELECT	25V	47µF
C530	CEXF1E100V	ELECT	25V	10µF
C532	ECKC1H103J	CERAMIC	50V	10nF
C534	ECKC1H103J	CERAMIC	50V	10nF
C536	ECKC1H102J	CERAMIC	50V	1nF
C537	ECKC1H103J	CERAMIC	50V	10nF
C538	ECKC1H103J	CERAMIC	50V	10nF
C540	CCZB1H333K	CERAMIC	50V	33nF
C550	CEXF1E100V	ELECT	25V	10µF
C551	CEXF1E100V	ELECT	25V	10µF
C553	ECKC1H103J	CERAMIC	50V	10nF
C557	CBZF1H104Z	CERAMIC	50V	100nF
C558	CBZF1H104Z	CERAMIC	50V	100nF
C560	ECEA1ES101	ELECT	25V	100µF
C561	CEXF1H339V	ELECT	50V	3.3µF
C568	ECEA1ES101	ELECT	25V	100µF
C590 C602	ECEA1H109 ECEA1ES221	ELECT	50V	1µF
C602	ECEA1ES221	ELECT	25V 25V	220µF 1000µF
C605	ECEA1ES470	ELECT	25V	47μF
C608	CEXF1E100V	ELECT	25V	10μF
C610	CEXF1E100V	ELECT	25V	10µF
C611	CEXF1H339V	ELECT	50V	3.3µF
C612	ECEA1H109	ELECT	50V	1µF
C613	ECEA1H109	ELECT	50V	1µF
C614	ECEA1H109	ELECT	50V	1µF
C615	ECEA1H109	ELECT	50V	1µF
C616	CEXF1E100V	ELECT	25V	10µF
C623	ECEA1H109	ELECT	50V	1µF
C624	ECEA1H109	ELECT	50V	1µF
C625	ECEA1ES101	ELECT	25V	100µF
C626	ECEA1ES101	ELECT	25V	100µF
C630	ECEA1ES470 CEXF1E100V	ELECT	25V	47µF
C634 C636	ECEA1ES470	ELECT	25V	10µF
C641	ECEA1ES470	ELECT ELECT	25V 25V	47μF 100μF
C642	ECEA1ES101	ELECT	25V 25V	100µF
C650	CZSL1H680J	CERAMIC	50V	68pF
C660	CEXF1E100V	ELECT	25V	10μF
C661	CMXM2A224J	FILM	100V	0.22µF
C662	CMXM2A224J	FILM	100V	0.22µF
C666	CBXF1H104Z	CERAMIC	50V	0.1µF
C668	CMXM2A224J	FILM	100V	0.22µF
C669	CMXM2A224J	FILM	100V	0.22µF
C709	ECEA1ES101	ELECT	25V	100µF
C711	ECEA1ES101	ELECT	25V	100µF
C712	CBZF1H104Z	CERAMIC	50V	100nF
C713	CEXF1E100V	ELECT	25V	10µF
C730	CEXF1E100V	ELECT	25V	10μF
C733	ECEA1H229	ELECT	50V	2.2µF
C737	CEXF1E100V	ELECT	25V	10μF
C742 C744	CEXF1E100V CEXF1E100V	ELECT ELECT	25V 25V	10µF 10µF
5, 17	JEM IE 100V	LLLOI	204	ТОР

Cct Ref	Parts Number	Description			
C802	CL1UC3474M	CERAMIC	250V	470nF	A
C803	ECCR3A472J	CERAMIC	1kV	4.7nF	
C804	ECCR3A472J	CERAMIC	1kV	4.7nF	
C805	ECA2GM181B	ELECT	400V	180µF	
C806	ECEA1H330	ELECT	50V	33µF	
C807	CCZF1H473Z	CERAMIC	50V	47nF	
C808	ECEA1H100	ELECT	50V	10µF	
C809	ECCR1H102J	CERAMIC	50V	1nF	
C811	CCXR3D221K	CERAMIC	2000V	220pF	
C812	CH1BFE472M	CERAMIC	400V	4.7nF	A
C813	ECA2EM101	ELECT	250V	100µF	
C814	CEYF2E470V	ELECT	250V	47µF	
C820	CCXR3A471K	CERAMIC	1KV	470pF	
C821	ECCR1H102J	CERAMIC	50V	1nF	
C823	ECEA1ES102	ELECT	25V	1000µF	
C824	ECCR3A471J	CERAMIC	1KV	470pF	
C830	CBZF1H104Z	CERAMIC	50V	100nF	
C831	ECCR3A471J	CERAMIC	1KV	470pF	
C832	ECEA1ES102	ELECT	.25V	1000µF	
C835	ECEA1ES470	ELECT	25V	47µF	
C840	ECEA1CS332	ELECT	16V	3300µF	
C841	ECEA1CS222	ELECT	16V	2200µF	
C844	ECEA1ES101	ELECT	25V	100µF	
C845	ECEA1ES102	ELECT	25V	1000µF	
C846	ECEA1ES101	ELECT	25V	100µF	
C847	ECEA1H100	ELECT	50V	10µF	
C850	CCXB1H821K	CERAMIC	50V	820pF	
C861	ECEA1ES102	ELECT	25V	1000µF	
C863	ECEA1ES101	ELECT	25V	100µF	
C864	ECEA1H100	ELECT	50V	10µF	
C866	CCXR3A471K	CERAMIC	1KV	470pF	
C870	ECCR3A471J	CERAMIC	1KV	470pF	
C871	ECEA1ES102	ELECT	25V	1000µF	
C876	ECEA1ES470	ELECT	25V	47µF	
C880	ECEA1ES101	ELECT	25V	100µF	
C888	ECEA1H229	ELECT	50V	2.2µF	
C900	CCXB3D102K	CERAMIC	2kV	1nF	
C902	CMXL2E104K	MYLAR	250V	100nF	
C910	ECA2EM4R7B	ELECT	250V	4.7µF	
C911	ECA2EM4R7B	ELECT	250V	4.7µF	
C915	CMXM2A822J	MYLAR	100V	8.2nF	
C916	ECEA1ES470	ELECT	25V	47µF	
C917	CCZB1H391K	CERAMIC	50V	390pF	
C918	ECKC1H103J	CERAMIC	50V	10nF	
C919	ECKC1H102J	CERAMIC	50V	1nF	
C920	ECEA1ES470	ELECT	25V	47µF	
C921	CMXM2A102J	MYLAR	100V	1nF	
C922	CMXM2A102J	MYLAR	100V	1nF	
C923	CMXM2A102J	MYLAR	100V	1nF	
C924	ECCR1H101J	CERAMIC	50V	100pF	
C925	ECA2EM100B	ELECT	250V	10uF	
C941	ECEA2CS470	ELECT	160V	47µF	
C942	ECA2EM100B	ELECT	250V	10μF	
C943	ECEA2CS470	ELECT	160V	47µF	
C944	CXSL2H560J	CERAMIC	500V	56pF	
C945	ECA2EM100B	ELECT	250V	30μF	
C945	CCXB2H472K	CERAMIC	500V	4700pF	
C947	CCXB2H472K	CERAMIC	500V	4700pF 4700pF	
C947	ECCR1H101J	CERAMIC	50V	100pF	
C948	ECA2EM100B	ELECT	250V	100pF 10µF	
CC01					
	HCBK471KBA	CHIP CER	50V	470pF	
CC02	HCBK471KBA	CHIP CER	50V	470pF	
CC03	HCBK471KBA	CHIP CER	50V	470pF	
CC04	HCBK471KBA	CHIP CER	50V	470pF	
CC05	HCBK471KBA	CHIP CER	50V	470pF	
CC06	HCBK471KBA	CHIP CER	50V	470pF	

Cct Ref	Parts Number	Description		
	HCBK471KBA		50\/	470-E
CC07 CC08	HCBK471KBA	CHIP CER	50V 50V	470pF 470pF
CC10	HCBK102KBA	CHIP CER	50V	470pr 1nF
CC13	HCBK102KBA	CHIP CER	50V	1nF
CC14	HCBK102KBA	CHIP CER	50V	1nF
CC15	HCBK102KBA	CHIP CER	50V	1nF
CC16	HCBK102KBA	CHIP CER	50V	1nF
CC17	HCBK102KBA	CHIP CER	50V	1nF
CC18	HCBK102KBA	CHIP CER	50V	1nF
CC19	HCBK102KBA	CHIP CER	50V	1nF
CC101	HCBK102KBA	CHIP CER	50V	1nF
CC103	HCBK102KBA	CHIP CER	50V	1nF
CC110	HCBK103KBA	CHIP CER	50V	10nF
CC111	HCBK103KBA	CHIP CER	50V	10nF
CC112	HCBK102KBA	CHIP CER	50V	1nF
CC115	HCBK104KBA	CHIP CER	50V	100nF
CC117	HCBK103KBA	CHIP CER	50V	10nF
CC119	HCBK103KBA	CHIP CER	50V	10nF
CC120	HCQK150JBA	CHIP CER	50V	15pF
CC127	HCBK102KBA	CHIP CER	50V	1nF
CC129	HCBK103KBA	CHIP CER	50V	10nF
CC136	HCBK104KBA	CHIP CER	50V	100nF
CC158	HCBK104KBA	CHIP CER	50V	100nF
CC160	HCBK103KBA	CHIP CER	50V	10nF
CC166	HCQK470JBA	CHIP CER	50V	47pF
CC177	HCQK470JBA	CHIP CER	50V	47pF
CC501	HCBK102KBA	CHIP CER	50V	1nF
CC502	HCBK102KBA	CHIP CER	50V	1nF
CC503	HCFF334ZBA	CHIP CER	16V	330nF
CC504	HCQK100JBA	CHIP CER	50V	10pF
CC505	HCBK102KBA	CHIP CER	50V	1nF
CC506	HCBK104KBA	CHIP CER	50V	100nF
CC507	HCBK102KBA	CHIP CER	50V	1nF
CC508	HCBK102KBA	CHIP CER	50V	1nF
CC509	HCBK102KBA	CHIP CER	50V	1nF
CC511	HCBK102KBA	CHIP CER	50V	1nF
CC512	HCBK102KBA	CHIP CER	50V	1nF
CC513	HCBK102KBA	CHIP CER	50V	1nF
CC514	HCBK104KBA	CHIP CER	50V	100nF
CC515	HCQK470JBA HCQK470JBA	CHIP CER	50V	47pF
CC516 CC517	HCBK104KBA	CHIP CER	50V 50V	47pF 100nF
CC518 CC521	HCBK104KBA HCBK104KBA	CHIP CER	50V 50V	100nF 100nF
CC521	HCBK104KBA	CHIP CER	50V	100nF
CC523	HCBK104KBA	CHIP CER	50V	100nF
CC524	HCBK102KBA	CHIP CER	50V	1nF
CC526	HCQK220JBA	CHIP CER	50V	22pF
CC527	HCQK220JBA	CHIP CER	50V	22pF
CC528	HCBK102KBA	CHIP CER	50V	1nF
CC549	HCBK104KBA	CHIP CER	50V	100nF
CC550	HCBK104KBA	CHIP CER	50V	100nF
CC551	HCBK104KBA	CHIP CER	50V	100nF
CC552	HCQK270JBA	CHIP CER	50V	27pF
CC553	HCQK270JBA	CHIP CER	50V	27pF
CC556	HCBK102KBA	CHIP CER	50V	1nF
CC560	HCBK102KBA	CHIP CER	50V	1nF
CC561	HCBK104KBA	CHIP CER	50V	100nF
CC567	HCBK102KBA	CHIP CER	50V	1nF
CC568	HCBK104KBA	CHIP CER	50V	100nF
CC569	HCBK102KBA	CHIP CER	50V	1nF
CC570	HCBK104KBA	CHIP CER	50V	100nF
CC578	HCBK561KBA	CHIP CER	50V	560pF
CC579	HCBK561KBA	CHIP CER	50V	560pF
CC589	HCBK561KBA	CHIP CER	50V	560pF
CC601	HCBK472KBA	HIP CERA	50V	4.7nF
				!

Cct Ref	Parts Number	Description			
CC602	HCBK472KBA	HIP CERA	50V	4.7nF	
CC617	HCBK104KBA	CHIP CER	50V	100nF	
CC620	HCQK309CBA	CHIP CER	50V	3pF	
CC621	HCQK309CBA	CHIP CER	50V	3pF	
CC622	HCQK680JBA	CHIP CER	50V	68pF	
CC629	HCBK104KBA	CHIP CER	50V	100nF	
CC631	HCBK104KBA	CHIP CER	50V	100nF	
CC635	HCBK104KBA	CHIP CER	50V	100nF	
CC665	HCBK222KBA	CHIP CER	50V	2.2nF	
CC667	HCBK222KBA	CHIP CER	50V	2.2nF	
CC680	HCBK102KBA	CHIP CER	50V	1nF	
CC701	HCBK103KBA	CHIP CER	50V	10nF	
CC709	HCBK104KBA	CHIP CER	50V	100nF	
CC710	HCBK104KBA	CHIP CER	50V		
				100nF	
CC711	HCBK104KBA	CHIP CER	50V	100nF	
CC712	HCQK151JBA	CHIP CER	50V	150pF	
CC713	HCBK104KBA	CHIP CER	50V	100nF	
CC715	HCBK104KBA	CHIP CER	50V	100nF	
CC716	HCBK103KBA	CHIP CER	50V	10nF	
CC720	HCBK103KBA	CHIP CER	50V	10nF	
CC726	HCQK330JBA	CHIP CER	50V	33pF	
CC727	HCQK330JBA	CHIP CER	50V	33pF	
CC730	HCBK104KBA	CHIP CER	50V	100nF	
CC737	HCBK102KBA	CHIP CER	50V	1nF	
CC742	HCBK102KBA	CHIP CER	50V	1nF	
CC744	HCBK102KBA	CHIP CER	50V	1nF	
CC777	HCBK104KBA	CHIP CER	50V	100nF	
CCS02	HCBK102KBA	CHIP CER	50V	1nF	
CR01	ECEA1CS101	ELECT	16V	100µF	
CS01	CMXM2A224J	FILM	100V	0.22µF	
CT01	ECQV1J474JMW	FILM	63V	470nF	
CT02	ECQV1J474JMW	FILM	63V	470nF	
CT03	ECEA1ES470	ELECT	25V	47µF	
CT05	ECKC1H103J	CERAMIC	50V	10nF	
CT09	ECEA1ES470	ELECT	25V	47µF	
CT11	CMXB2A224J	MYLAR		•	
CT13			100V 25V	220nF	
	ECEA1ES470	ELECT		47µF	
CT16	ECEA1H479	ELECT	50V	4.7µF	
CT18	ECEA1H479	ELECT	50V	4.7µF	
I EKMIN	ALS AND LINKS				
JP01	4859117320	AV TERMINAL			
JPA1	4859200401	AV TERMINAL			
JPA2	4859200401	AV TERMINAL			
SCT1	4859303530	SOCKET CRT			A
SWITCH	ES				
		CIMITOLI			
SW700		SWITCH			
SW701	5S50101Z90	SWITCH			
SW702	5S50101Z90	SWITCH			
	5S50101Z90	SWITCH			
		SWITCH			
SW801	ESB92S11B	SWITCH			Δ
RELAYS					
Y801	5SC0101340	RELAY			Λ
DIFFER	RENCES FOR	MODEL TX	32E5	0D	
EXPLOD	ED VIEW			,	
	W76QEN693X17	C.R.T.			A
					A
17	PTCPMSV32P1D				Æ
40	PTMP32E50D	MAIN P.C.B.			Δ
18		MODEL LABEL			
19	DMP4532800	WODEL LABEL	•		
19	CTION BOOKS	WOOLL LABLE			

Cct Ref	Parts Number	Description			
I.C.s					
1701	SDA5532E50D	IC MICOM O	TP		
1702	X24C32E50D	IC MEMORY			
COILS					
L401	TRL-5R0D	COIL H-LINE	ARITY		
RESIST	ORS				
R921	RD-2Z561J	CARBON	0.5W	5%	560 Ω
	RD-2Z561J	CARBON	0.5W	5%	560 Ω
R923	RD-2Z561J	CARBON	0.5W	5%	560 Ω
C404		MYLAR	1.6KV		11nF
	ALS AND LINKS		1.01.0		TIOF
P902	4859205620	CONNECTOR	₹		
DIFFE	RENCES FOR	MODEL T	X32F	PS12E)
EXPLO	DED VIEW				
16	W76QEN693X17	C.R.T.			A
	PTCPMSV32P1F	CRT P.C.B.			A
18 19	PTMP32PS12D DMP4531300	MAIN P.C.B. MODEL LABE	:1		A
	CTION BOOKS	MODEL LABO	- In		
	TQB0E0239A-M	GERMAN			
	TQB0E0239B-M	DUTCH			
	TQB0E0239C-M	ITALIAN			
	TQB0E0239D-M	FRENCH			
I.C.s					!
1701	SDA5532PS12D	IC MICOM OT	P		ļ
1702	X24C32PS12D	IC MEMORY			
COILS	TOL FOOD	004 111 115			
L401 RESIST	TRL-5R0D	COIL H-LINE	ARITY		
R921		CARRON	0.5144	5 0/	41/ 0
R921	ERDS1TJ102 ERDS1TJ102	CARBON	0.5W 0.5W	5% 5%	1ΚΩ 1ΚΩ
R923	ERDS1TJ102	CARBON	0.5W	5%	1ΚΩ
CAPACI	TORS				
C404	CMYH3C113J	MYLAR	1.6KV		11nF
TERMIN	ALS AND LINKS				
P902	4859205620	CONNECTOR			
DIEEE	RENCES FOR	MODEL TV	/ 220	C42E	
DII I LI	CINCES I OK	MODEL 17	\ <u>J</u> ZF	3121	
EVELOR	ED VIEW				
		CDT			Δ
16 17	W76QEN693X17 PTCPMSV32P1F	C.R.T. CRT P.C.B.			<u>∧</u>
18	PTMP32PS12F	MAIN P.C.B.			<u> </u>
19	DMP4531400	MODEL LABE	L		
INSTRU	CTION BOOKS				
	TQB0E0240D-M	FRENCH			
. = -	TQB0E0240E-M	SPANISH			
•	TQB0E0240F-M TQB0E0240G-M	SWEDISH NORWEGIAN			.
	TQB0E0240G-M	FINNISH			
	TQB0E0240K-M	DANISH			
I.C.s					
1701	SDA5532PS12F	IC MICOM OT	P		
1702	X24C32PS12F	IC MEMORY			
COILS					
L401	TRL-5R0D	COIL H-LINEA	RITY		
		·			

P902	ERDS1TJ102 ERDS1TJ102 ERDS1TJ102	CARBON CARBON CARBON MYLAR	0.5W 0.5W 0.5W	5% 5%	1ΚΩ 1ΚΩ
R922 R923 CAPACIT C404 TERMINA P902	ERDS1TJ102 ERDS1TJ102 FORS CMYH3C113J ALS AND LINKS 4859205620	CARBON CARBON MYLAR	0.5W 0.5W	5% 5%	1ΚΩ
R923 CAPACIT C404 TERMINA P902 DIFFER	ERDS1TJ102 ERDS1TJ102 FORS CMYH3C113J ALS AND LINKS 4859205620	CARBON CARBON MYLAR	0.5W 0.5W	5% 5%	1ΚΩ
R923 CAPACIT C404 TERMINA P902 DIFFER	ERDS1TJ102 FORS CMYH3C113J ALS AND LINKS 4859205620	CARBON	0.5W	5%	
C404 TERMINA P902 DIFFER	ORS CMYH3C113J ALS AND LINKS 4859205620	MYLAR			,,,,,,,,
TERMINA P902 DIFFER	ALS AND LINKS 4859205620		1.6KV		
P902 DIFFER	4859205620	00111150705			11nF
DIFFER		CONNECTOR			
	ENCES FOR	CONNECTOR	}		
EXPLOD	LITOLOTOR	MODEL T	(32P	S12F	5
	ED VIEW				
16	W76MAF185X72	C.R.T.			
17	PTCPMSV32P1M	CRT P.C.B.			
18	PTMP32PS12P	MAIN P.C.B.			
19	DMP4530500	MODEL LABE	L		
NSTRUC	TION BOOKS				
	TQB0E0241M-M	BULGARIAN			
	TQB0E0241N-M	ROMANIAN			
	TQB0E0241P-M	POLISH			
	TQB0E0241Q-M	HUNGARIAN			
	TQB0E0241R-M	CZECH			
	TQB0E0241U-M	ENGLISH			
	TQB0E0241W-M	SLOVAKIAN			
.C.s					
701	SDA5532PS12P	IC MICOM OT	P		
702	X24C32PS12P	IC MEMORY			
COILS					
₋ 401	TRL-6R3D	COIL H-LINEA	RITY		
RESISTO	RS				
R921	ERDS1TJ102	CARBON	0.5W	5%	1ΚΩ
R922	ERDS1TJ102	CARBON	0.5W	5%	1ΚΩ
R923	ERDS1TJ102	CARBON	0.5W	5%	1ΚΩ
CAPACIT	ORS				
C404	CMYH3C103J	MYLAR	1.6K		10nF
FERMINA	LS AND LINKS				
902	97P62A09A3	CONNECTOR			

Cct Ref	Parts Number	Description
		ļ

SCHEMATIC DIAGRAMS FOR MODELS TX-32E50D, TX-32PS12D, TX-32PS12F, TX-32PS12P (CP-830FP CHASSIS)

IMPORTANT SAFETY NOTICE

Components identified by A mark have special characteristics important for safety.

When replacing any of these components, use only manufacturers' specified parts.

NOTE

1. RESISTOR

All resistors are carbon ½W resistor, unless marked otherwise. Unit of resistance is OHM (Ω) (k=1,000, M=1,000,000)

2. CAPACITORS

All capacitors are ceramic 50V unless marked otherwise. Unit of capacitance is µF unless otherwise stated.

3 COIL

Unit of inductance is µH, unless otherwise stated.

4. EARTH SYMBOL

Chassis Earth (Cold)

Line Earth (Hot)

5. VOLTAGE MEASUREMENT

Voltage is measured by a d.c. voltmeter. Measurement conditions are as follows:

Power source

a.c. 220V-240V, 50Hz

Receiving Signal

Colour Bar signal (RF)

All customer controls

Maximum position

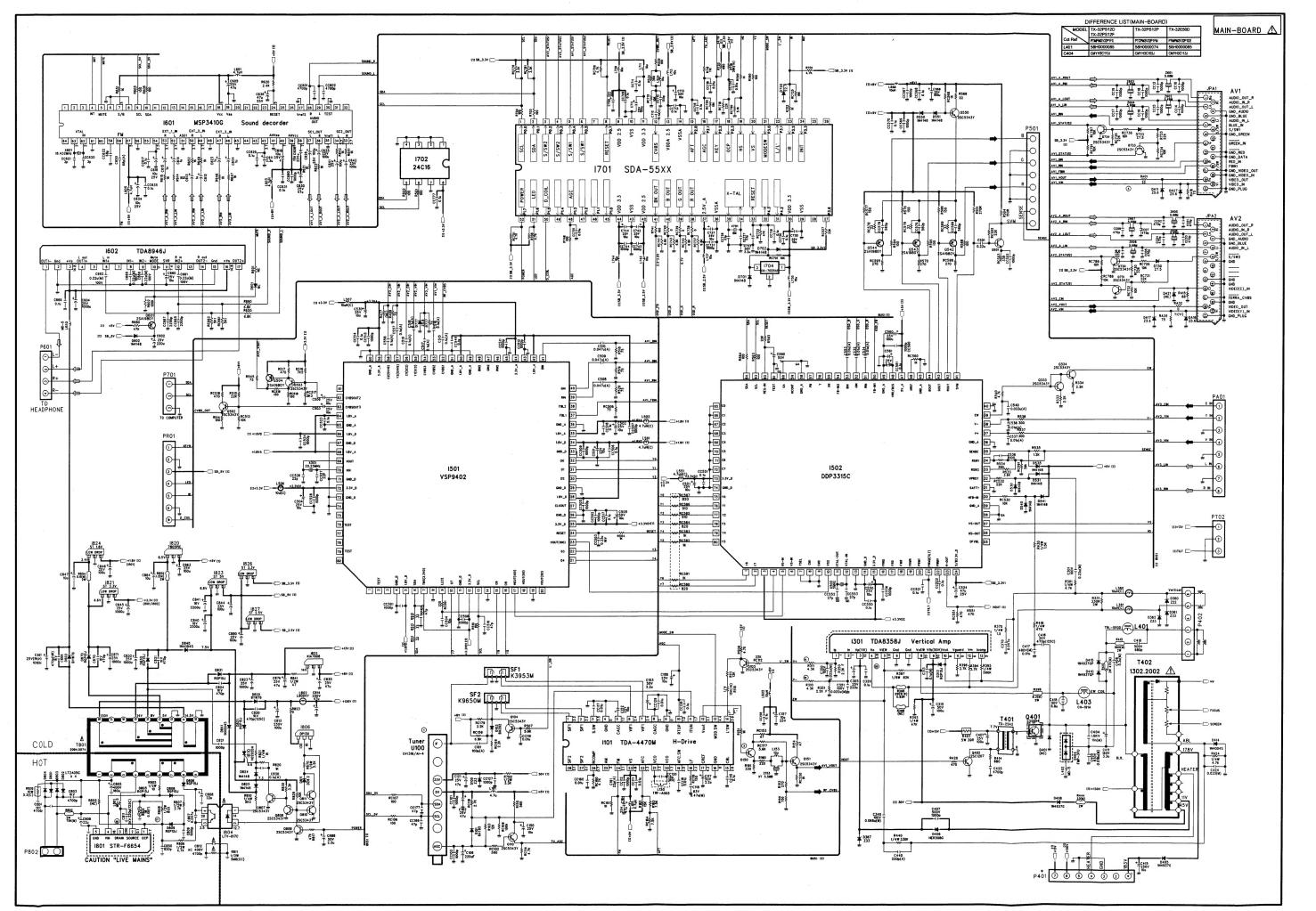
These schematic diagrams are the latest at time of printing and are subject to change without notice.

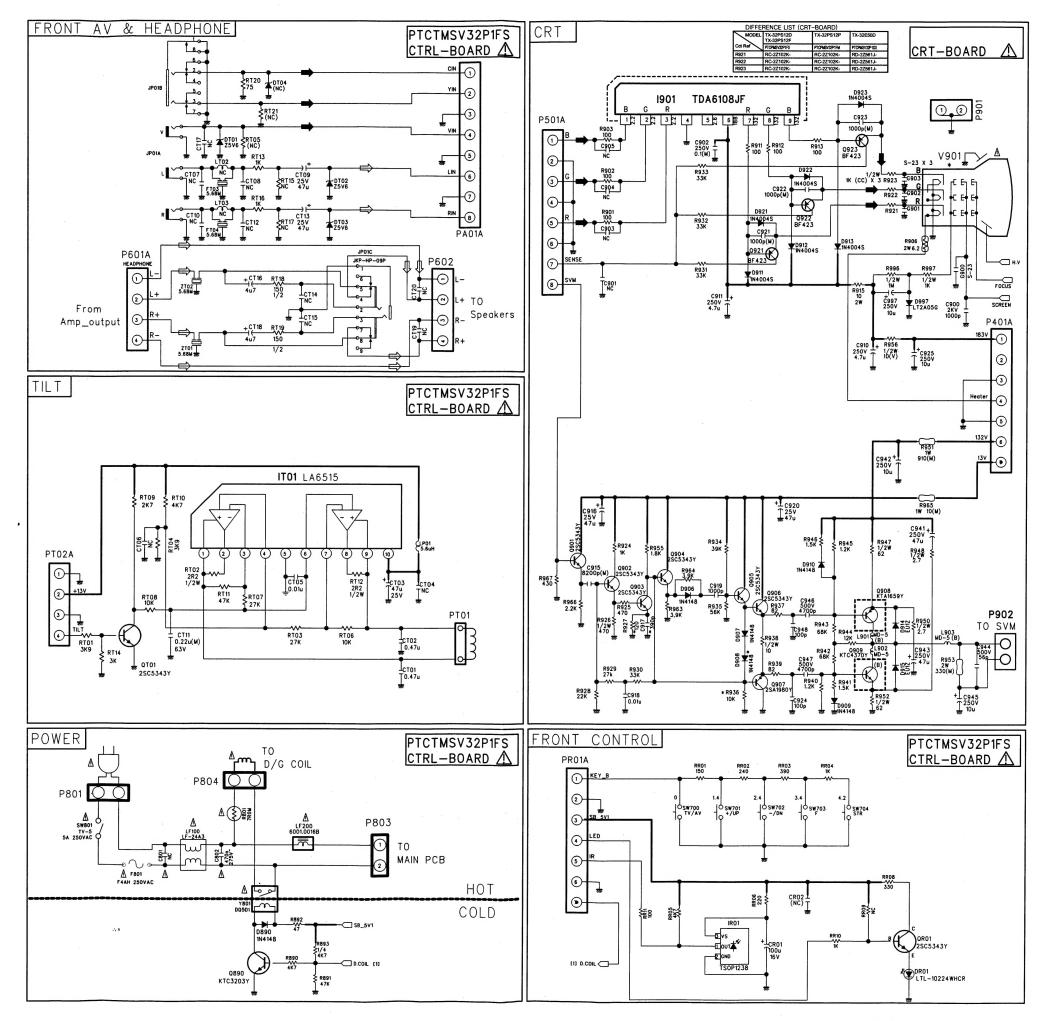
REMARKS

- a. Do not touch the hot part, or the hot and cold parts at the same time, as you are liable to a shock hazard.
- b. Do not short circuit the hot and cold circuits as electrical components may be damaged.
- c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
- d. Make sure to disconnect the power plug before removing the chassis.

NOTE

1. The Power Supply Circuit contains a circuit area, which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD.

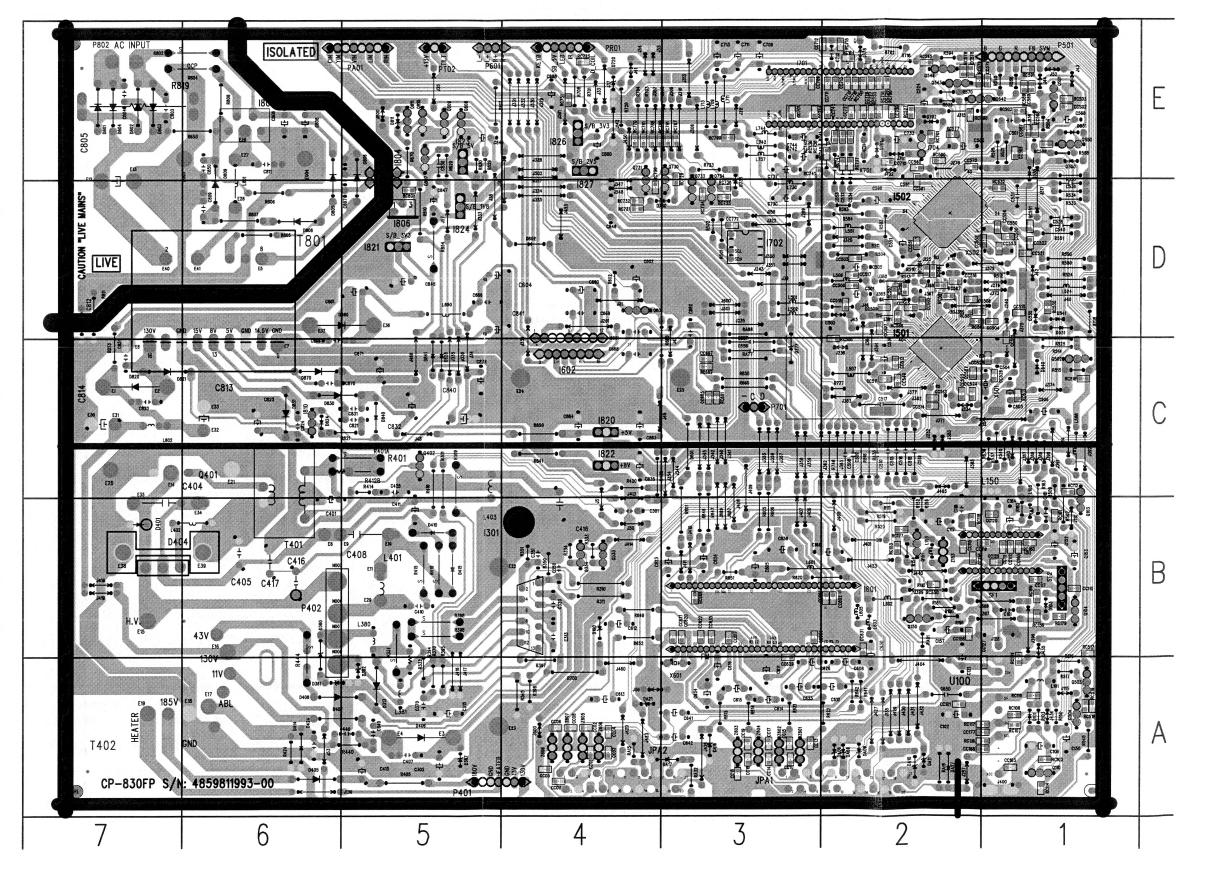




CONDUCTOR VIEWS FOR MODELS TX-32E50D, TX-32PS12D, TX-32PS12F, TX-32PS12P MAIN-BOARD

MODEL	TX-32PS12D TX-32PS12F	TX-32PS12P	TX-32E50D
BOARD DESCRIPTION	PTMPMSV32P1FS	PTMPMSV32P1FM	PTMPMSV32P1DS

TRAN	v'S	D103	B1	D830	C6
Q103	B1	D313	A5	D831	C6
Q104	B1	D360	В6	D840	C5
Q110	A1	D361	A6	D841	C5
Q150	B2	D362	A5	D860	D5
Q151	В2	D367	A5	D870	C6
Q333	B4	D404	В7	IC'S	3
Q334	B4	D405	A6	1101	В1
Q401	C7	D406	A5	1301	В4
Q402	C5	D408	A6	1501	C2
Q502	C1	D410	B5	1502	D2
Q503	A1	D414	A6	1601	B3
Q504	A1	D415	В5	1602	C4
Q542	E2	D720	E4	1701	E3
Q543	E2	D730	D3	1702	D3
Q544	E2	D733	D3	1704	E2
Q550	E1	D777	C3	1801	E6
Q601	D4	D801	E7	1804	E5
Q730	E3	D802	E7	1806	D5
Q731	D4	D803	E7	1810	C6
Q733	D3	D804	E7	1820	C4
Q734	D3	D805	E6	1821	D5
Q807	E5	D806	E5	1822	C4
Q808	E5	D808	D6	1823	E5
Q809	E5	D809	D6	1824	D5
Q810	E5	D811	E5	1826	E4
Q811	E5	D820	C7	1827	E4
DIOD	ES	D821	C7		
D100	В4	D824	C6		
D101	A1	D825	C5		



CTRL-BOARD PTCTMSV32P1FS

LF100

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A

LIVE

P803

LF200

	S	B	⋖
TRAN'S			
Q890 B4	ZIIO ZIIIO	00-4142286384 : N	CP-830FP S
QR01 C4	18 2000 I		WH .
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DT01 C1	3 3 2 3 3		STATE OF THE PROPERTY OF THE P
DT02 B1			8
DT03 B1	2 E E E		5
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IC'S	다.	· · · · · · · · · · · · · · · · · · ·	m m pe02
IR01 C4			
IT01 B3		-000	
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	× 1	40Tg 20T	
	14/ A2		101A
	VT **		
	100 a 100 a	1 tota 2013	5.
	BRIG STATE	300	

CAUTION "LIVE MAINS"

CRT-BOARD

TRAN'S	D907 C2				
Q901 C2	D908 C2				
Q902 C1	D911 B4				
Q903 C2	D912 B4				
Q904 B1	D913 B4				
Q905 C1	D915 B1				
Q907 B1	D921 C4				
Q908 C1	D922 B4				
Q909 A1	D923 B4				
Q921 C4	D997 A3				
Q922 B4					
Q923 B4	IC'S				
	1901 A4				
DIODES					
D906 B1					

MODEL	TX-32PS12D TX-32PS12F	TX-32PS12P	TX-32E50D
BOARD DESCRIPTION	PTCPMSV32P1FS		PTCPMSV32P1DS

